Environmental Protection Agency

Chloroprene (2-Chloro-1,3-butadiene) 126998 1.00 1	Chemical name	CAS No. a	F _m
Section Sect	Chloroform	67663	1.00
Dichlorbenzene (p-1,4-) 108467 1.00 1.1444 0.76 1.00	Chloroprene (2-Chloro-1,3-butadiene)	126998	1.00
Dichloroethane (1,2) (Ethylene dichloride)	Cumene	98828	1.00
Dichloroethylether (Bis(2-Chloroethyl ether) 111444	Dichlorobenzene (p-1,4-)	106467	1.00
Dichloropropene (1,3-)	Dichloroethane (1,2-) (Ethylene dichloride)	107062	1.00
Dichloropropene (1,3-)		111444	0.76
Diethyl sulfate 64675 0.0025 Dimethyl sulfate 77781 0.086 Dimethylaniline (N.N.) 121697 0.00080 Dimethylaniline (N.N.) 121697 0.00080 Dimethylaniline (N.N.) 121697 0.00080 Dimethylaniline (N.N.) 121697 0.00080 Dimethylaniline (2.4-) 121142 0.0885 Dioxane (1.4-) (1.4-Diethyleneoxide) 122911 0.87 Espichiorohydridi (-Chloro-23-epoxypropane) 108898 0.94 Ethyl acrylate 100414 1.00 Ethyl chioride (Chloromethane) 100414 1.00 Ethyl chioride (Chloromethane) 75003 1.00 Ethylene glycol dimethyl ether 110714 1.00 Ethylene glycol dimethyl ether 110714 0.86 Ethylene glycol monobutyl ether acetate 11072 0.043 Ethylene glycol monobutyl ether acetate 11072 0.043 Ethylene glycol monobutyl ether acetate 110496 0.093 Ethylene dichloride (1,1-Dichloroethane) 75343 1.00 Ethylene dichloride (1,1-Dichloroethane) 75343 1.00 Ethylene dichloride (1,1-Dichloroethane) 75343 1.00 Hexachlorobearene 118741 0.97 Hexachlorobearene 187683 0.88 Hexachlorobearene 187683 0.88 Hexachlorobearene 176591 0.85 Methyl bromide (Bromomethane) 77891 0.05 Methyl bromide (Bromomethane) 77893 1.00 Methyl chloride (Chloromethane) 77893 0.09 Methyl forbide (Chloromethane) 77893 0.09 Methyl stophyl ketone (Hexone) 0.98 Methyl stobulyk ketone (Hexone) 0.98 Methyl stobulyk ketone (Hexone) 0.99 Methyl stobulyk ketone (Hexone		542756	1.00
Dimethyl sulfate		64675	0.0025
Dimethylyharizani (N,N-) 121697 0.00086			
Dimethylhydrazine (1,1-)			
Dinitrophenol (2,4-) 51285 0.0077 121142 0.085 0.0085			
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Toluene 108883 1.00 Toluidine (o·) 95534 0.15 Trichlorobenzene (1,2,4-) 120821 1.00 Trichloroethane (1,1,1-) (Methyl chloroform) 71556 1.00 Trichloroethane (1,1,2-) (Vinyl Trichloride) 79005 0.98 Trichloroethylene 79016 1.00 Trichlorophenol (2,4,5-) 95954 1.00 Triethylamine 121448 1.00 Trimethylpentane (2,2,4-) 540841 1.00 Vinyl acetate 108054 1.00 Vinyl chloride (Chloroethylene) 75014 1.00 Vinylidene chloride (1,1-Dichloroethylene) 75354 1.00 Xylene (m-) 95476 1.00	Tetrachloroethane (1,1,2,2-)	79345	1.00
Toluene 108883 1.00 Toluidine (o-) 95534 0.15 Trichlorobenzene (1,2,4-) 120821 1.00 Trichloroethane (1,1,1-) (Methyl chloroform) 71556 1.00 Trichloroethane (1,1,2-) (Vinyl Trichloride) 79005 0.98 Trichloroethylene 79016 1.00 Trichlorophenol (2,4,5-) 95954 1.00 Triethylpamine 121448 1.00 Trimethylpentane (2,2,4-) 540841 1.00 Vinyl acetate 108054 1.00 Vinyl chloride (Chloroethylene) 75014 1.00 Vinylidene chloride (1,1-Dichloroethylene) 75354 1.00 Xylene (m-) 95476 1.00	Tetrachloroethylene (Perchloroethylene)	127184	1.00
Trichlorobenzene (1,2,4-) 120821 1.00 Trichloroethane (1,1,1-) (Methyl chloroform) 71556 1.00 Trichloroethane (1,1,2-) (Vinyl Trichloride) 79005 0.98 Trichloroethylene 79016 1.00 Trichlorophenol (2,4,5-) 95954 1.00 Triethylamine 121448 1.00 Trimethylpentane (2,2,4-) 540841 1.00 Vinyl acetate 108054 1.00 Vinyl chloride (Chloroethylene) 75014 1.00 Vinylidene chloride (1,1-Dichloroethylene) 75354 1.00 Xylene (m-) 95476 1.00	Toluene	108883	1.00
Trichlorobenzene (1,2,4-) 120821 1.00 Trichloroethane (1,1,1-) (Methyl chloroform) 71556 1.00 Trichloroethane (1,1,2-) (Vinyl Trichloride) 79005 0.98 Trichloroethylene 79016 1.00 Trichlorophenol (2,4,5-) 95954 1.00 Triethylamine 121448 1.00 Trimethylpentane (2,2,4-) 540841 1.00 Vinyl acetate 108054 1.00 Vinyl chloride (Chloroethylene) 75014 1.00 Vinylidene chloride (1,1-Dichloroethylene) 75354 1.00 Xylene (m-) 95476 1.00	Toluidine (o-)	95534	0.15
Trichloroethane (1,1,1-) (Methyl chloroform) 71556 1.00 Trichloroethane (1,1,2-) (Vinyl Trichloride) 79005 0.98 Trichloroethylene 79016 1.00 Trichlorophenol (2,4,5-) 95954 1.00 Triethylamine 121448 1.00 Trimethylpentane (2,2,4-) 540841 1.00 Vinyl acetate 108054 1.00 Vinyl chloride (Chloroethylene) 75014 1.00 Vinylidene chloride (1,1-Dichloroethylene) 75354 1.00 Xylene (m-) 95476 1.00			
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Vinyl acetate 108054 1.00 Vinyl chloride (Chloroethylene) 75014 1.00 Vinylidene chloride (1,1-Dichloroethylene) 75354 1.00 Xylene (m-) 108383 1.00 Xylene (o-) 95476 1.00			
Vinýl chloride (Chloroethylene) 75014 1.00 Vinylidene chloride (1,1-Dichloroethylene) 75354 1.00 Xylene (m-) 108383 1.00 Xylene (o-) 95476 1.00			
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Xylene (m-) 108383 1.00 Xylene (o-) 95476 1.00			
Xylene (o-)			
Xylene (p-)			
	Xylene (p-)	106423	1.00

^a CAS numbers refer to the Chemical Abstracts Service registry number assigned to specific compounds, isomers, or mixtures of compounds.

TABLE 9 TO SUBPART GGG OF PART 63—DEFAULT BIORATES FOR SOLUBLE HAP

Compound name	Biorate (K1), L/g MLVSS-hr
Acetonitrile	0.100
Acetophenone	0.538
Diethyl sulfate	0.105
Dimethyl hydrazine(1,1)	0.227

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Compound name	
Dimethyl sulfate	0.178
Dinitrotoluene(2,4)	0.784
Dioxane(1,4)	0.393
Ethylene glycol dimethyl ether	0.364
Ethylene glycol monobutyl ether acetate	0.496
Ethylene glycol monomethyl ether acetate	0.159
Isophorone	0.598
Methanol	a
Nitrobenzene	2.300
Toluidine (-0)	0.859
Triethylamine	1.064

^aFor direct dischargers, the default biorate for methanol is 3.5 L/g MLVSS-hr; for indirect dischargers, the default biorate for methanol is 0.2 L/g MLVSS-hr.

[66 FR 40137, Aug. 2, 2001]

Subpart HHH—National Emission Standards for Hazardous Air Pollutants From Natural Gas Transmission and Storage Facilities

SOURCE: 64 FR 32648, June 17, 1999, unless otherwise noted

§ 63.1270 Applicability and designation of affected source.

(a) This subpart applies to owners and operators of natural gas transmission and storage facilities that transport or store natural gas prior to entering the pipeline to a local distribution company or to a final end user (if there is no local distribution company), and that are major sources of hazardous air pollutants (HAP) emissions as defined in §63.1271. Emissions for major source determination purposes can be estimated using the maximum natural gas throughput calculated in either paragraph (a)(1) or (2) of this section and paragraphs (a)(3) and (4) of this section. As an alternative to calculating the maximum natural gas throughput, the owner or operator of a new or existing source may use the facility design maximum natural gas throughput to estimate the maximum potential emissions. Other means to determine the facility's major source status are allowed, provided the information is documented and recorded to the Administrator's satisfaction. A compressor station that transports natural gas prior to the point of custody transfer or to a natural gas processing plant (if present) is not considered a part of the natural gas

transmission and storage source category. A facility that is determined to be an area source, but subsequently increases its emissions or its potential to emit above the major source levels (without first obtaining and complying with other limitations that keep its potential to emit HAP below major source levels), and becomes a major source, must comply thereafter with all applicable provisions of this subpart starting on the applicable compliance date specified in paragraph (d) of this section. Nothing in this paragraph is intended to preclude a source from limiting its potential to emit through other appropriate mechanisms that may be available through the permitting authority.

(1) Facilities that store natural gas or facilities that transport and store natural gas shall calculate maximum annual facility natural gas throughput using the following equation:

Throughput =
$$\frac{8,760}{\left(\frac{1}{IR_{max}} + \frac{1}{WR_{max}}\right)}$$

Where:

Throughput = Maximum annual facilitywide natural gas throughput in cubic meters per year.

- $_{\rm IR}$ max = Maximum facility injection rate in cubic meters per hour.
- $_{
 m WR}$ max = Maximum facility withdrawal rate in cubic meters per hour.
- 8,760 = Maximum hours of operation per year.
 - (i)-(iii) [Reserved]
- (2) Facilities that only transport natural gas shall calculate the maximum